

COAST GUARD DIVING PROGRAM SAFETY SURVEY CHECKLIST*



NOTE:

68 REQ'D FIELDS

MAB/Program — 20 FAIL

[REDACTED] — 28 FAIL

UNIT NAME: CGC Healy

SURVEY DATE: 24 Aug 06

DATE OF LAST INSPECTION: N/A

COMMANDING OFFICER: Capt Russell

EXECUTIVE OFFICER: CDR Jackson

*COMPLETED BY LT [REDACTED], LT [REDACTED] 1/2 HSC [REDACTED]
POST MISKAP.
— EMAILED TO LCDR [REDACTED]

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PART A – ADMINISTRATION

A.1 General.

Y N N/A

A.1.a Does the Command Organization Manual include a Diving Bill? Is the Ship Repair Safety Checklist and Emergency Assistance Checklist part of the Diving Bill?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol 6, Fig. 6-20 and 22

X		
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A.1.b Is the Diving Officer designated in writing by the Commanding Officer? (PQS qualifications are not required for non-diving Diving Officers).

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Para. 6-9.3.1 and 2

X		
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A.1.c Are Diving Supervisors designated in writing by the Commanding Officer?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Para. 6-9.5.4

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A.1.d Are personnel authorized to conduct air sampling designated in writing by the Commanding Officer?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 1, Chap. 4-4

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A.1.e Are air samples analyzed semi-annually IAW PMS, and do they meet the purity requirements of the U. S. Navy Diving Manual?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol.1, Chap. 4-4

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A.1.f Is a copy of the previous 3 years air sampling results kept on file?

Ref: COMDTINST M3150.1B

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A.1.g Does the command meet the manning requirements to conduct diving operations?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Fig. 6-16

X		
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NO

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A.2 Publications and Instructions.

Y N N/A

A.2.h Is a copy of the U. S. Navy Diving Manual, Rev. 5, Ch. A, readily accessible to the Diving Officer/Supervisor?

Ref: OPNAVINST 3150.27A, Para. 5.D

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NO

A.2.i Do all divers have access to Diving Safety Advisory (AIG 237) messages, Diving Safety Lines (AIG 7702) publications and messages, the list of Diving Equipment Authorized for U.S Navy Use (NAVSEA 10560 dated 26 July 2004), Safety Precautions for Forces Afloat (OPNAVINST 5100.19D), and Navy Occupational Safety and Health Program Ashore (OPNAVINST 5100.23E) via paper or electronic resources?

Ref: NAVSEAINST 3150.1, Encl. 1

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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A.3 Recordkeeping.

A.3.a Does the unit maintain a Command Diving Log and is it retained for three years?

Ref: COMDTINST M3150.1B

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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A.3.b Do individual divers maintain personal diving logs documenting all their Coast Guard dives?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 1, Para. 5-6

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NO

A.3.c Is the Command using the Dive Reporting System (DRS) and are they submitting the information periodically?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 1, Para. 5-9

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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NO
NO

A.3.d Are Diving Operations Reports submitted quarterly?

Ref: COMDTINST M3150.1B

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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A.3.e Has each diver successfully completed a diving physical by a qualified Diving Medical Officer (DMO)? Is the physical current?

Ref: COMDTINST M6000.1B, Ch. 18
NAVMED P-117, Art. 15-66

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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A.2 Recordkeeping (continued).

Y N N/A

A.3.f Are diver competencies entered into Direct Access?

Ref: COMDTINST M3150.1B

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A.3.g Are physical screening tests conducted annually?

Ref: COMDTINST M3150.1B

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A.3.h Are all diving accidents recorded and reported?

Ref: COMDTINST M3150.1B

USN Diving Manual, Rev. 4, Ch. A, Vol. 1, Para 5-11
OPNAVINST 5100.19D

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PART B – TRAINING

B.1 General.

Y N N/A

B.1.a Is diver PQS implemented?

Ref: COMDTINST M3150.1B

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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B.1.b Are all divers qualified in Cardiopulmonary Resuscitation (CPR)?

Ref: USN Diving Manual, Rev. 4, Ch. A, App. 5B-2

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B.2 Documentation.

B.2.a Have diver's training requirements been incorporated into the
 Command's long-range training plan?

Ref: COMDTINST M3150.1B

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B.2.b Are records kept to show what training has been accomplished and
 what remains to be done?

Ref: COMDTINST M3150.1B

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B.2.c Does the training plan include all required unit training topics?

Ref: COMDTINST M3150.1B, Encl (2)

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PART C – SCUBA

C.1 Equipment.

Y N N/A

C.1.a Are the straps and backpacks in good condition and do they have a quick release feature?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Page 7-7

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C.1.b Are all diver's SCUBA regulators of the approved type?

Ref: NAVSEA 10560, 26 July 2004

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C.1.c Are SCUBA bottle manifolds of the approved type?

Ref: NAVSEA 10560, 26 July 2004

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C.1.d Are diver's buoyancy compensators of the approved type?

Ref: NAVSEA 10560, 26 July 2004

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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C.1.e Are all depth gauges of the approved type?

Ref: USN Diving Manual Rev. 4, Ch. A, Vol. 2, Para. 7-2.3.8
NAVSEA 10560, 26 July 2004

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C.1.f Is all SCUBA equipment covered by PMS?

Ref: COMDTINST M3150.1B

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C.1.g Are manufacturers tech manuals available for all SCUBA equipment?

Ref: OPNAVINST 4790.4C

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C.1.h Is SCUBA equipment serialized for tracking of maintenance accomplishment?

Ref: COMDTINST M3150.1B

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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C.1.i Do all divers have adequate wetsuits and drysuits?

Ref: COMDTINST M3150.1B
USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Para. 7-3.1.1

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C.1 Equipment (continued).

Y N N/A

C.1.j Are standby diver regulators equipped with an ANU approved octopus second stage?

Ref: USN Diving Manual Rev. 4, Ch. A, Vol. 2, Para. 6-9.8.1
NAVSEA 10560, 26 July 2004

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NO

C.1.k Are the diver's wrist watches adequate to support diving operations?

Ref: USN Diving Manual Rev. 4, Ch. A, Vol. 2, Para. 7-2.3.7
NAVSEA 10560, 26 July 2004

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C.2 Maintenance.

C.2.a Is hygienic maintenance being performed on regulators?

Ref: PMS MIP 5921/19 R-2

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NO

C.2.b Are all SCUBA bottles within marked with hydrostatic test date? Were SCUBA bottles tested in the past 5 years?

Ref: PMS MIP 5921/19 36M-1, 60M-1

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C.2.c Are SCUBA bottles stowed under pressure? Is stowage secure and away from heat?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Para. 7-4.5
NSTM 550, Para. 550-2.16.2 and 550-2.19.2

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C.2.d Are SCUBA bottles being inspected annually in accordance with the Visual Inspection Program?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Page 7-6
PMS MIP 5921/19 A-1R

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C.2.e Are critical diving gauges calibrated every 18 months?
(i.e. over-bottom, submersible pressure gauges, depth gauges, SCUBA charging gauges and compressor outlet)

Ref: PMS MIP 5921/32

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C.2.f Is maintenance being conducted on buoyancy compensators?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Para. 7-2.3.3
PMS MIP 5921/2

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C.2 Maintenance (continued). Y N N/A

C.2.g Are the buoyancy compensator relief valves working and in good repair?

Ref: PMS MIP 5921/2-14

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C.2.h Is the 1st stage of the single hose regulator set at the manufacturer's psi or is it part of pre-dive?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Page 7-2
Manufacturer's tech manual

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C.2.i Does unit maintain excess equipment outside of the DEP? Is maintenance on this equipment being conducted and recorded?

Ref: COMDTINST M3150.1B

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C.3. Procedures.

C.3.a Does a supervisor pre-dive check-off sheet exist for SCUBA?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Page 7-25

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*BUT NOT
USED*

C.3.b Are all dives deeper than 100 fsw conducted with a minimum 100 scf cylinder capacity?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Fig. 6-14

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C.3.c Are all dives conducted in 130 fsw or less?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol 2, Fig. 6-14

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PART D – AGA MK 20 UBA

D.1 Underwater Breathing Apparatus.

Y N N/A

D.1.a Is the diver harness of the approved type, and is it in good condition?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 2-5, Tbl. 2-1

☒ ☐ ☐

D.1.b Are the MK 20 MOD 0 communication components clean, dry, free from tears, cuts and broken wires?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 2-4, Tbl. 2-1

☐ ☐ ☒

D.1.c Is the MK 20 MOD 0 mask free of dirt, corrosion and deterioration?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 2-4, Tbl. 2-1
PMS MIP 5921/172 R-5

☒ ☐ ☐

D.1.d Are the oral nasal check valves in good condition?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 2-3, Tbl. 2-1
PMS MIP 5921/172 18M-1R, R-5

☒ ☐ ☐

D.1.e Is the head harness in good condition?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 2-3, Tbl. 2-1
PMS MIP 5921/172 R-5

☒ ☐ ☐

D.1.f Does the second stage regulator function properly?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 2-3, Tbl. 2-1, Page 4-6,
Para. 4.6.1-6
PMS MIP 5921/172 S-2R

☒ ☐ ☐

D.1.g Are both the test kit and repair tools available?

Ref: UBA MK 20 MOD 0 Technical Manual, Page 6-3, Para. 6.4, Tbl. 6-1
PMS MIP 5921/172

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D.1.h Does a Supervisors Pre-Dive Inspection Check-Off Sheet exist for the MK 20 MOD 0 (When used in surface-supplied mode)?

Ref: UBA MK 20 MOD 0 Technical Manual, App. A-3

☐ ☒ ☐

D.1.i Are all surface supplied dives conducted to 60 fsw or less?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Fig. 6-14

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D.2 Umbilical.

D.2.a Are umbilical tests being conducted?

Ref: PMS MIP 5921/039 A-1R, 24M-1R, 24M-2R, 60M-1R
NAVSEA SS521-AH-PRO-010/Diving Umbilical Manual, Page 3

☒ ☐ ☐

NO

D.2.b Are all hoses numbered, labeled, and listed on EGL's or as single line items?

Ref: OPNAVINST 4790.4C, PARA 3-4.5 AND 3-4.11.1.2.B.(3)(B)

☒ ☐ ☐

D.2.c Does the 3/8 inch hose have the proper fittings installed?

Ref: OPNAVINST 4790.4C, PARA 3-4.5 AND 3-4.11.1.2.B.(3)(B)
NAVSEA SS521-AH-PRO-010/Diving Umbilical Manual, Page 4

☒ ☐ ☐

D.2.d Are all hoses capped off to prevent contamination (including leader hoses)?

Ref: NAVSEA SS521-AH-PRO-010/Diving Umbilical Manual, Page B-19

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PART E – AIR SYSTEMS AND STOWAGE

E.1 Compressors.

Y N N/A

E.1.a Are tech manuals available for all portable air compressors?

Ref: OPNAVINST 5100.19D

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E.1.b Are safety precautions posted in view of all operators for compressors?

Ref: OPNAVINST 5100.19D

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- Unknown

E.1.c Are interstage cooling tubing and crankcase fins clean and in good condition?

Ref: Applicable PMS

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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E.1.d Is the correct compressor oil being used? (1) 2190 TEP for normal operation or 2135 TH for cold weather, or (2) synthetic based oil that is manufacturer recommended?

Ref: USN Diving Manual Rev. 4, Ch. A, Vol. 2, Page 8-20

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E.1.e Are charging whips secured to prevent whipping?

Ref: USN Diving Manual Rev. 4, Ch. A, Vol. 2, Page 7-18

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E.1.f Are charging whips proof tested prior to initial installation? Are rubber charging whips replaced at 12 years?

Ref: PMS MIP 5921/33 A-1R, R-6

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E.1.g Are pulley/fanguards installed on the air compressor (s)?

Ref: NAVSEA 10560, 26 July 2004, section 5.2 note 4

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E.2 Flasks and Tanks.

E.2.a Have all vertically mounted air flasks with dryer and bottom blow down installed been hydrostatically tested in the past 12 years?

Ref: PMS MIP 5921/034 144M-1R, 2R

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E.2.b Have all air flasks without dryers been hydrostatically tested in the past 6 years?

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Ref: PMS MIP 5921/034 72M-1

X		
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E.2 Flasks and Tanks (continued).

Y N N/A

E.2.c Have all DOT 3A or 3AA industrial gas cylinders been delivered to repair activity for and hydrostatic testing in the past 5 years?

Ref: PMS MIP 5921/034 60M-4R

X		
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E.2.d Have all high pressure moisture separators and filter housings been given an internal and external visual inspection as required?

Ref: PMS MIP 5921/034 18M-1, 18M-2

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- Unknown

E.3 Gauges and Valves.

E.3.a Have all critical pressure gauges been calibrated in the past 18 months? (I.E. Pneumofathometer, Manifold Pressure (MMP), Final Outlet "Discharge" Pressure "SCUBA Charging, HP, MP, And LP Air, Oxygen and Mixed Gas Compressor Outlet" Gages)

Ref: PMS MIP 5921/32 18M-5R, 18M-6R, 18M-7R

X		
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E.3.b Are all valves which influence diver's air supply tagged to read "Diver's Air Do Not Touch"?

Ref: USN Diving Manual, Rev. 4, Ch. A, Vol. 2, Sec. 8-6.2.1

X		
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E.3.c Have all system relief valves been tested during the last 36 months and tagged?

Ref: PMS MIP 5921/034 36M-4

X		
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E.4 Air Filtration Systems.

E.4.a Are the air filters of the approved type and of the proper working pressure?

Ref: NAVSEAINST 10560, 26 Jul 2004

X		
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